

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/09/2011

Kevin McCarthy  
Assistant District Attorney, Suffolk County

Dear ADA McCarthy,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Ann Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

  
Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Maintenance and repairs of all analytical instruments.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory  
Chemist I (October 2005 – March 2008)  
Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory  
Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs



## DRUG RECEIPT

CC # \_\_\_\_\_

BOOK # 149

PAGE # 110

**DESTRUCTION #** \_\_\_\_\_

District/Unit B2 / DCU

Name & Rank of Arresting Officer PO Santillane ID# 102339

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer John J. M. ID# 9310

Received by \_\_\_\_\_ Date 8/10/12

ECU Control #

No. [REDACTED]

Date Analyzed:

11-18-10

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount: 5.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/10/2010

No. Analyzed:

Gross Wt.: 4.29

Net Weight:

# Tests: 148

• 200TR

Prelim: Lorazepam

Findings: Lorazepam

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Boston ANALYST AS9

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

5 white round tablets  
11-18

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.5917

Location 241

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis \_\_\_\_\_

TLTA ( )

Froehde's \_\_\_\_\_

### OTHER TESTS

Mecke's \_\_\_\_\_

Muromacal A + VP

## PRELIMINARY TEST RESULTS

RESULTS lorazepam

DATE 11-9-10

## GC/MS CONFIRMATORY TEST

RESULTS lorazepam

MS  
OPERATOR DSP

DATE 11-18-10

## Drug Information

**DRUG NAME:** LORAZEPAM

**INGREDIENTS:** LORAZEPAM -- 1 MG

**Color:** white

**NDC:** 00591-0241-10

**Shape:** Circle

00591-0241-05

00591-0241-01

**Imprint:** Watson; 241; 1, Royce  
Logo; 241; 1

**Excipients:** Polacrilin

Potassium ; Lactose ; Magnesium

Stearate ; microcrystalline cellulose

**Form:** Tablet

**Regulatory Status:** Schedule IV

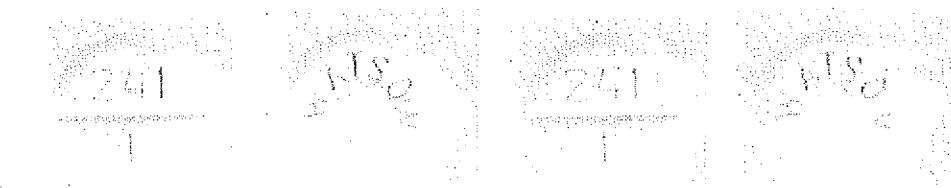
**Available-Container-Size:** Bottle of  
100 , Bottle of 1000 , Bottle of 500

**Availability:** United States

**AAPCC Code:** 007000 -  
Benzodiazepines

**Product ID:** 4954247

**Contact:** Watson Laboratories

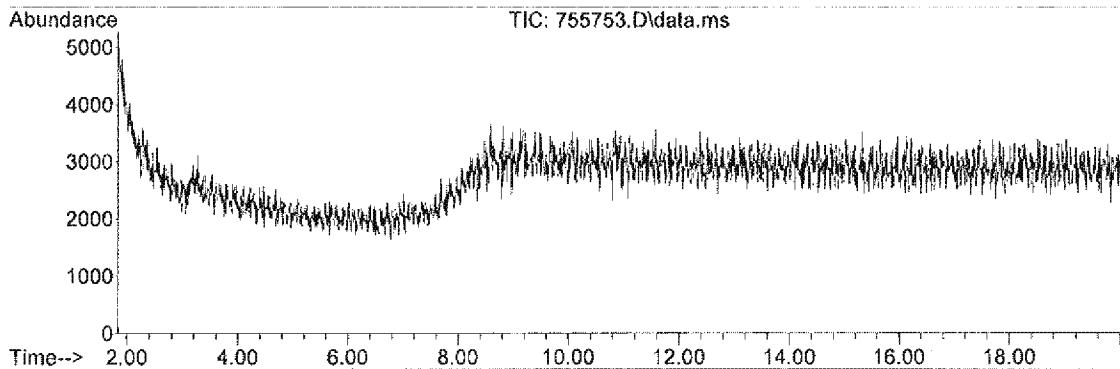


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## Information from Data File:

File Name : I:\11\_17\_10\755753.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 2:10  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

✓DJR  
11-30-11



Ret. Time	Area	Area %	Ratio %
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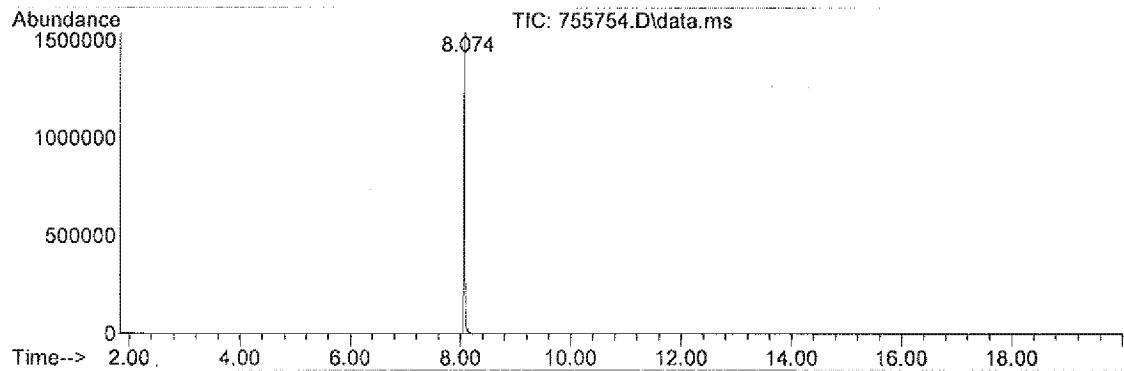
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : I:\11\_17\_10\755754.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 6:30  
Sample Name : LORAZEPAM STD  
Submitted by : ASD  
Vial Number : 54  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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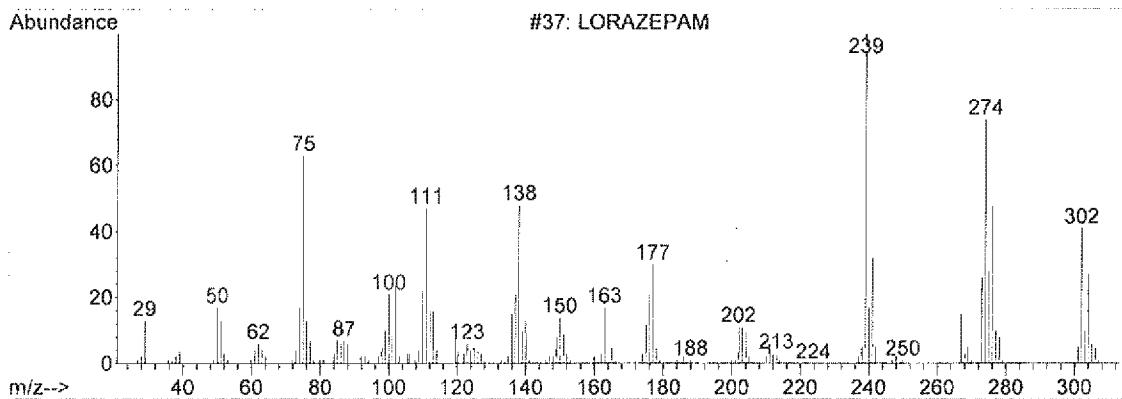
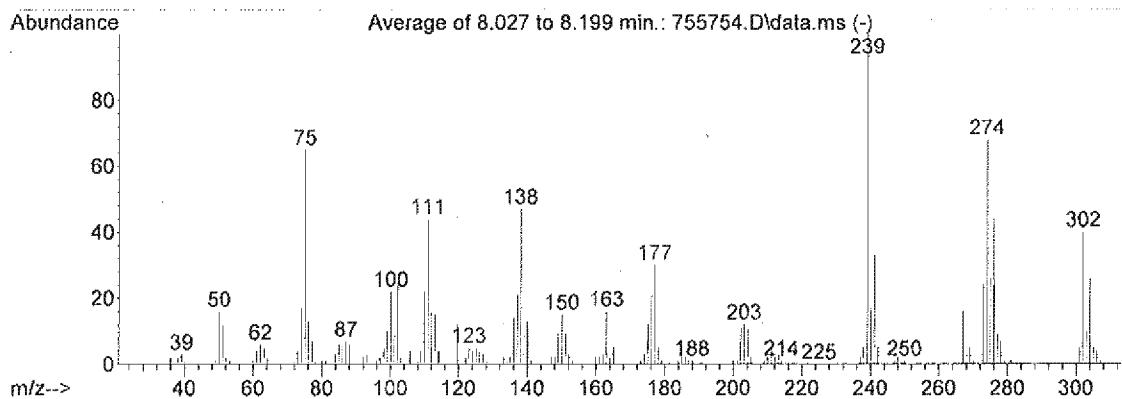
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## Information from Data File:

File Name : I:\11\_17\_10\755754.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 6:30  
Sample Name : LORAZEPAM STD  
Submitted by : ASD  
Vial Number : 54  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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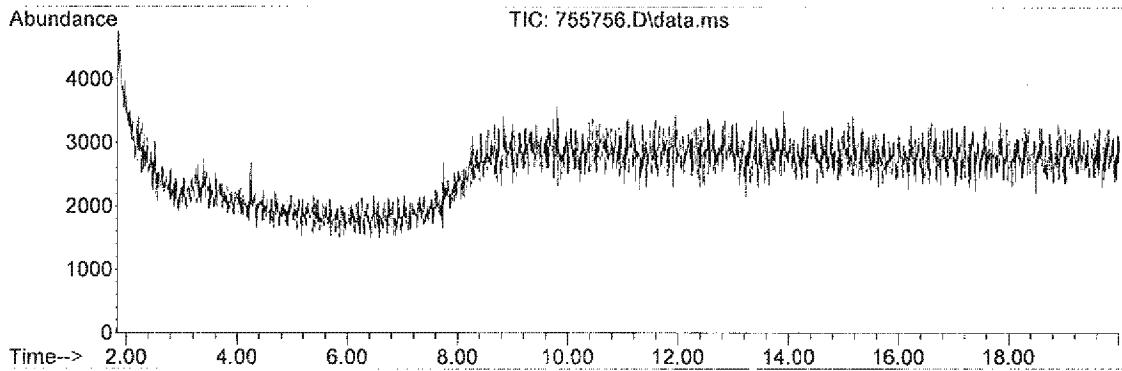


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Operator : ASD  
Date Acquired : 18 Nov 2010 7:18  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

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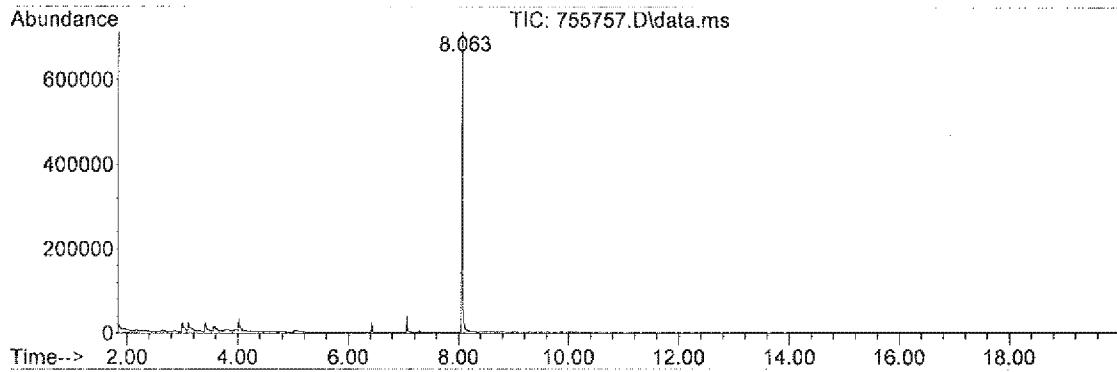
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

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File Name : I:\11\_17\_10\755757.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 8:01  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 57  
AcquisitionMeth: GENSCN.M  
Integrator : RTE



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Ret. Time	Area	Area %	Ratio %
8.063	812418	100.00	100.00

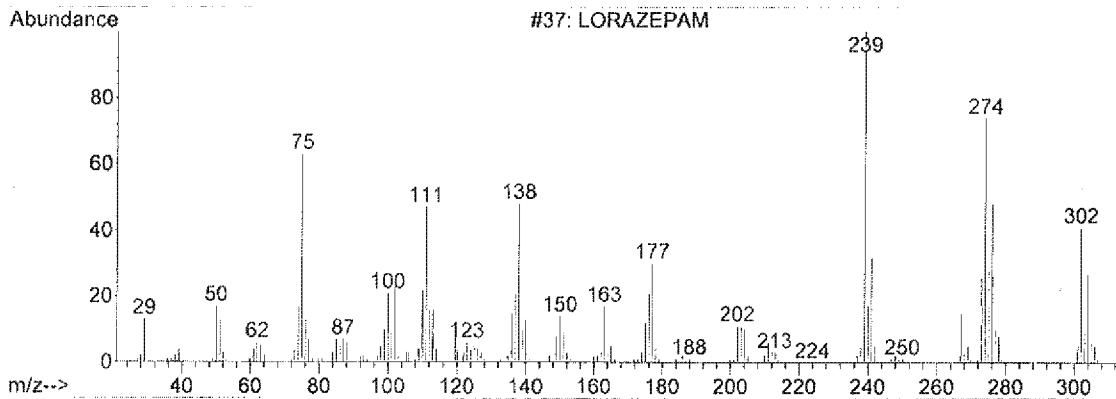
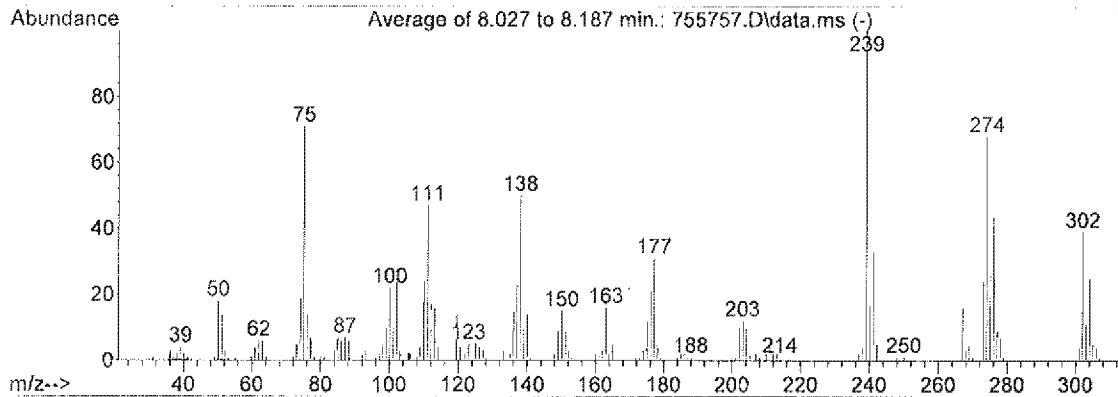
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## Information from Data File:

File Name : I:\11\_17\_10\755757.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 8:01  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 57  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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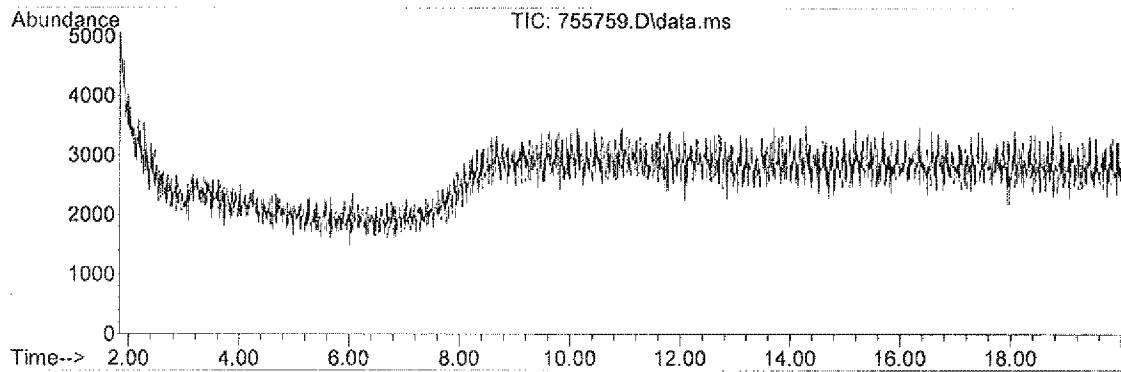


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Operator : ASD  
Date Acquired : 18 Nov 2010 8:49  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

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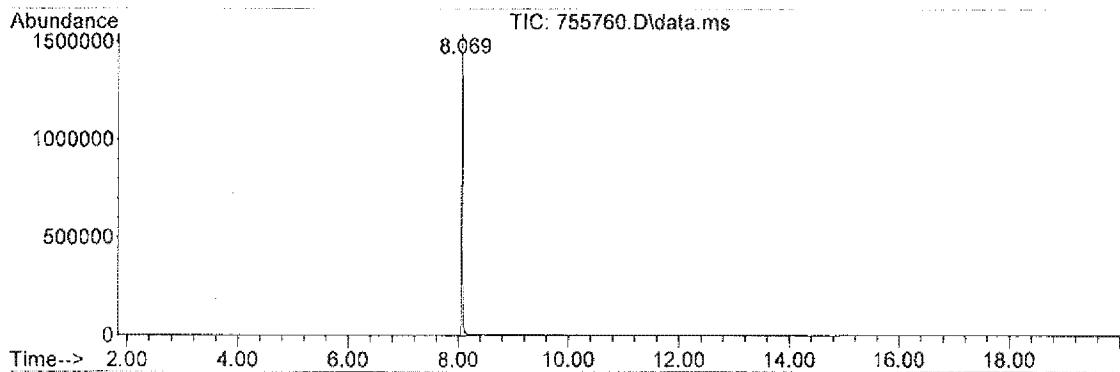
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

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File Name : I:\11\_17\_10\755760.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 9:13  
Sample Name : LORAZEPAM STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: GENSCN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
8.069	1780952	100.00	100.00

## Information from Data File:

File Name : I:\11\_17\_10\755760.D  
Operator : ASD  
Date Acquired : 18 Nov 2010 9:13  
Sample Name : LORAZEPAM STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: GENSCN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	8.07	C:\Database\SLI.L LORAZEPAM	000846-49-1	95

